

**PATENT**  
**HES 2003-IP-010261U1P1**

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants:	Lance E. Brothers	)	
		)	
		)	Art Unit: Unknown
		)	
Serial No.:	10/454,080	)	
		)	
Filed:	June 4, 2003	)	Examiner: Unknown
		)	
For:	SETTABLE FLUIDS AND METHODS	)	
	FOR USE IN SUBTERRANEAN	)	
	FORMATIONS	)	

**INFORMATION DISCLOSURE STATEMENT**

ASSISTANT COMMISSIONER FOR PATENTS  
Washington, D.C. 20231

SIR:

The following documents are known to Applicants or Applicants' attorneys and are submitted for the Examiner to consider in the above-captioned application.

**U. S. PATENTS**

U.S. Patent No. 3,359,225 issued December 19, 1967 to Charles F. Weisend.

U.S. Patent No. 4,015,991 issued April 5, 1977 to Leonard J. Persinski et al.

U.S. Patent No. 4,234,344 issued November 18, 1980 to John M. Tinsley et al.

U.S. Patent No. 4,460,052 issued July 17, 1984 to Judith Gockel.

U.S. Patent No. 4,498,995 issued February 12, 1985 to Judith Gockel.

U.S. Patent No. 4,515,635 issued May 7, 1985 to S. Prabhakara Rao et al.

U.S. Patent No. 4,555,269 issued November 26, 1985 to S. Prabhakara Rao et al.

U.S. Patent No. 4,676,317 issued June 30, 1987 to Slaton E. Fry et al.

U.S. Patent No. 4,703,801 issued November 3, 1987 to Slaton E. Fry et al.

U.S. Patent No. 4,818,288 issued April 4, 1989 to Aloï Aignesberger et al.

U.S. Patent No. 5,263,542 issued November 23, 1993 to Lance E. Brothers.

U.S. Patent No. 5,340,397 issued August 23, 1994 to Lance E. Brothers.

U.S. Patent No. 6,063,738 issued May 16, 2000 to Jiten Chatterji et al.

U.S. Patent No. 6,156,808 issued December 5, 2000 to Jiten Chatterji et al.

U.S. Patent No. 6,220,354 B1 issued April 24, 2001 to Jiten Chatterji et al.

U.S. Patent No. 6,241,815 B1 issued June 5, 2001 to David Bonen.

U.S. Patent No. 6,268,406 B1 issued July 31, 2001 to Jiten Chatterji et al.

U.S. Patent No. 6,308,777 B2 issued October 30, 2001 to Jiten Chatterji et al.

U.S. Patent No. 6,457,524 B1 issued October 1, 2002 to Craig W. Roddy

U.S. Patent No. 6,500,252 B1 issued December 31, 2002 to Jiten Chatterji et al.

U.S. Patent No. 6,516,883 B1 issued February 11, 2003 to Jiten Chatterji et al.

U.S. Patent No. 6,569,232 B2 issued May 27, 2003 to Magdiel Castro et al.

U.S. Patent No. 5,725,652 issued March 10, 1998 to David M. Shuman.

U.S. Patent No. 3,959,003 issued May 25, 1976 to Gabriel W. Ostroot et al.

U.S. Patent No. 4,215,001 issued July 29, 1980 to Eugene A. Elphingstone et al.

U.S. Patent No. 4,231,882 issued November 4, 1980 to Eugene A. Elphingstone et al.

U.S. Patent No. 4,515,216 issued May 7, 1985 to Jerry Childs et al.

U.S. Patent No. 4,524,828 issued June 25, 1985 to Fred Sabins et al.

U.S. Patent No. 5,121,795 issued June 16, 1992 to David P. Ewert et al.

U.S. Patent No. 5,123,487 issued June 23, 1992 to Kirk L. Harris et al.

U.S. Patent No. 5,125,455 issued June 30, 1992 to Kirk L. Harris et al.

U.S. Patent No. 5,127,473 issued July 7, 1992 to Kirk L. Harris et al.

U.S. Patent No. 5,151,203 issued September 29, 1992 to Wendell D. Riley et al.

U.S. Patent No. 5,238,064 issued August 24, 1993 to Jeffrey A. Dahl et al.

U.S. Patent No. 5,447,197 issued September 5, 1995 to Philip Rae et al.

U.S. Patent No. 5,547,506 issued August 20, 1996 to Philip Rae et al.

U.S. Patent No. 6,138,759 issued October 31, 2000 to Jiten Chatterji et al.

U.S. Patent No. 6,173,778 B1 issued January 16, 2001 to Philip J. Rae et al.

U.S. Patent No. 6,315,042 B1 issued November 13, 2001 to James E. Griffith et al.

U.S. Patent No. 6,457,523 B1 issued October 1, 2002 to Jan Pieter Vijn et al.

U.S. Patent No. 6,524,384 B2 issued February 25, 2003 to James E. Griffith et al.

U.S. Patent No. 6,610,140 B2 issued August 26, 2003 to Jan Pieter Vijn et al.

#### **U.S. PATENT APPLICATION PUBLICATIONS**

U.S. Patent Application Publication Number US 2003/0116065A1 published June 26, 2003 to James E. Griffith et al.

U.S. Patent Application Publication Number US 2003/0121456A1 published July 3, 2003 to James E. Griffith et al.

U.S. Patent Application Publication Number US 2003/0121660A1 published July 3, 2003.

#### **OTHER PUBLICATIONS**

Halliburton brochure entitled "CFR-3 Cement Friction Reducer Dispersant" dated 1998.

Halliburton brochure entitled "Halad®-344 Fluid-Loss Additive" dated 1998.

Halliburton brochure entitled "Halad®-413 Fluid-Loss Additive" dated 1998.

Halliburton brochure entitled "Halad®-700 Fluid-Loss Additive" dated 2000.

Halliburton brochure entitled "Spherelite Cement Additive" dated 1999.

Halliburton brochure entitled "Hi-Dense® Weight Additives" dated 1998.

Halliburton brochure entitled "HR®-5 Cement Additive" dated 1998.

Halliburton brochure entitled "WG-17 LXP Free-Water Control Agent" dated 1999.

Copies of the aforementioned references and Form PTO-1449 are submitted herewith.

Respectfully submitted,

A handwritten signature in black ink, reading "Craig W. Roddy". The signature is fluid and cursive, with the first name "Craig" being more prominent than the last name "Roddy".

Craig W. Roddy  
Registration No. 36,256  
Halliburton Energy Services  
P. O. Box 1431  
Duncan, OK 73536-0440  
580-251-3012

<b>FORM PTO-1449 (Modified)</b>  LIST OF PATENTS AND PUBLICATIONS FOR APPLICANT'S INFORMATION DISCLOSURE STATEMENT  (Use several sheets if necessary)	ATTY. DOCKET NO. 2003-IP-010261U1P1	SERIAL NO. unknown
	APPLICANT Lance E. Brothers	
	FILING DATE concurrently herewith	GROUP Unknown

## U.S. PATENT DOCUMENTS

EXAMINER INITIAL		Document No.	Date	Name	Class	Subclass	Filing Date if Appropriate
	AA	3,359,225	12/19/67	Weisend	260	29.6	
	AB	4,015,991	04/05/77	Persinski et al.	106	90	
	AC	4,234,344	11/18/80	Tinsley et al.	106	88	
	AD	4,460,052	07/17/84	Gockel	175	72	
	AE	4,498,995	02/12/85	Gockel	252	8.5 LC	
	AF	4,515,635	05/07/85	Rao et al.	106	90	
	AG	4,555,269	11/26/85	Rao et al.	106	90	
	AH	4,676,317	06/30/87	Fry et al.	166	293	
	AI	4,703,801	11/03/87	Fry et al.	166	293	
	AJ	4,818,288	04/04/89	Aignesberger	106	90	
	AK	5,263,542	11/23/93	Brothers	166	293	

## FOREIGN PATENT DOCUMENTS

		Document No.	Date	Country	Class	Subclass	Translation	
							Yes	No
	AL							
	AM							
	AN							
	AO							
	AP							

## OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)

	AR	Halliburton brochure entitled "CFR-3 Cement Friction Reducer Dispersant" dated 1998.
	AS	Halliburton brochure entitled "Halad®-344 Fluid-Loss Additive" dated 1998.
	AT	Halliburton brochure entitled "Halad®-413 Fluid-Loss Additive" dated 1999.

EXAMINER

DATE CONSIDERED

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<b>FORM PTO-1449 (Modified)</b>  LIST OF PATENTS AND PUBLICATIONS FOR APPLICANT'S INFORMATION DISCLOSURE STATEMENT  (Use several sheets if necessary)	ATTY. DOCKET NO. 2003-IP-010261U1P1	SERIAL NO. unknown
	APPLICANT Lance E. Brothers	
	FILING DATE concurrently herewith	GROUP Unknown

## U.S. PATENT DOCUMENTS

EXAMINER INITIAL		Document No.	Date	Name	Class	Subclass	Filing Date if Appropriate
	AA	5,340,397	08/23/94	Brothers	106	727	
	AB	6,063,738	05/16/00	Chatterji et al.	507	269	
	AC	6,156,808	12/05/00	Chatterji et al.	516	116	
	AD	6,220,354 B1	04/24/01	Chatterji et al.	166	293	
	AE	6,241,815 B1	06/05/01	Bonen	106	735	
	AF	6,268,406 B1	07/31/01	Chatterji et al.	523	130	
	AG	6,308,777 B2	10/30/01	Chatterji et al.	166	293	
	AH	6,457,524 B1	10/01/02	Roddy	166	293	
	AI	6,500,252 B1	12/31/02	Chatterji et al.	106	644	
	AJ	6,516,883 B1	02/11/03	Chatterji et al.	166	293	
	AK	6,569,232 B2	05/27/03	Castro et al.	106	644	

## FOREIGN PATENT DOCUMENTS

		Document No.	Date	Country	Class	Subclass	Translation	
							Yes	No
	AL							
	AM							
	AN							
	AO							
	AP							

## OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)

	AR	Halliburton brochure entitled "Spherelite Cement Additive" dated 1999.
	AS	Halliburton brochure entitled "HALAD®-700 Fluid-Loss Additive" dated 2000.
	AT	Halliburton brochure entitled "Hi-Dense® Weight Additives" dated 1998.

EXAMINER

DATE CONSIDERED

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<b>FORM PTO-1449 (Modified)</b>  LIST OF PATENTS AND PUBLICATIONS FOR APPLICANT'S INFORMATION DISCLOSURE STATEMENT  (Use several sheets if necessary)	ATTY. DOCKET NO. 2003-IP-010261U1P1	SERIAL NO. unknown
	APPLICANT Lance E. Brothers	
	FILING DATE concurrently herewith	GROUP Unknown

*U.S. PATENT DOCUMENTS*

EXAMINER INITIAL		Document No.	Date	Name	Class	Subclass	Filing Date if Appropriate
	AA	5,725,652	03/10/98	Shulman	106	677	
	AB	3,959,003	05/25/76	Ostroot et al.	106	93	
	AC	4,215,001	07/29/80	Elphingstone et al.	252	8.55 C	
	AD	4,231,882	11/04/80	Elphingstone et al.	252	8.55 C	
	AE	4,515,216	05/07/85	Childs et al.	166	293	
	AF	4,524,828	06/25/85	Sabins et al.	166	293	
	AG	5,121,795	06/16/92	Ewert et al.	166	292	
	AH	5,123,487	06/23/92	Harris et al.	166	277	
	AI	5,125,455	06/30/92	Harris et al.	166	292	
	AJ	5,127,473	07/07/92	Harris et al.	166	277	
	AK	5,151,203	09/29/92	Riley et al.	252	8.551	

*FOREIGN PATENT DOCUMENTS*

		Document No.	Date	Country	Class	Subclass	Translation	
							Yes	No
	AL							
	AM							
	AN							
	AO							
	AP							

*OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)*

	AR		Halliburton brochure entitled "HR®-5 Cement Additive" dated 1998.
	AS		Halliburton brochure entitled "WG-17 LXP Free-Water Control Agent"
			Dated 1999.
	AT		

EXAMINER

DATE CONSIDERED

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<b>FORM PTO-1449</b> (Modified)  LIST OF PATENTS AND PUBLICATIONS FOR APPLICANT'S INFORMATION DISCLOSURE STATEMENT  (Use several sheets if necessary)	ATTY. DOCKET NO. 2003-IP-010261U1P1	SERIAL NO. unknown
	APPLICANT Lance E. Brothers	
	FILING DATE concurrently herewith	GROUP Unknown

## U.S. PATENT DOCUMENTS

EXAMINER INITIAL		Document No.	Date	Name	Class	Subclass	Filing Date if Appropriate
	AA	5,238,064	08/24/93	Dahl et al.	166	293	
	AB	5,447,197	09/05/95	Rae et al.	166	293	
	AC	5,547,506	08/20/96	Rae et al.	106	730	
	AD	6,138,759	10/31/00	Chatterji et al.	166	293	
	AE	6,173,778 B1	01/06/01	Rae et al.	166	293	
	AF	6,315,042 B1	11/13/01	Griffith et al.	166	291	
	AG	6,457,523 B1	10/01/02	Vijn et al.	166	293	
	AH	6,524,384 B2	02/25/03	Griffith et al.	106	705	
	AI	6,610,140 B2	08/26/03	Vijn et al.	106	738	
	AJ	US 2003/0116065 A1	06/26/03	Griffith et al.	106	705	
	AK	US 2003/0121456 A1	07/03/03	Griffith et al.	106	724	

## FOREIGN PATENT DOCUMENTS

		Document No.	Date	Country	Class	Subclass	Translation	
							Yes	No
	AL							
	AM							
	AN							
	AO							
	AP							

## OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)

	AR		
	AS		
	AT		

EXAMINER

DATE CONSIDERED

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.



<b>FORM PTO-1449 (Modified)</b>  LIST OF PATENTS AND PUBLICATIONS FOR APPLICANT'S INFORMATION DISCLOSURE STATEMENT  (Use several sheets if necessary)	ATTY. DOCKET NO. 2003-IP-010261U1P1	SERIAL NO. unknown
	APPLICANT Lance E. Brothers	
	FILING DATE concurrently herewith	GROUP Unknown

## U.S. PATENT DOCUMENTS

EXAMINER INITIAL		Document No.	Date	Name	Class	Subclass	Filing Date if Appropriate
	AA	US 2003/0121660 A1	07/03/03	Griffith et al.	166	292	
	AB						
	AC						
	AD						
	AE						
	AF						
	AG						
	AH						
	AI						
	AJ						
	AK						

## FOREIGN PATENT DOCUMENTS

		Document No.	Date	Country	Class	Subclass	Translation	
							Yes	No
	AL							
	AM							
	AN							
	AO							
	AP							

## OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)

	AR		
	AS		
	AT		

EXAMINER

DATE CONSIDERED

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.